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Help

Logout

Main Menu

Search Form

Result Set

Show S Numbers

Edit S Numbers

First Hit

Previous Document

Next Document

Full

Title

Citation

Review

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Date

Reference

Document Number 2

Entry 2 of 2

File: DWPI

Nov 12, 199

DERWENT-ACC-NO: 1997-039474

DERWENT-WEEK: 199704

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TITLE: Image forming sheet for colour image formation for simplified proof - compri photosensitive layer contg. colouring material, heat adhesive binder of photopolymer cpd. and organic polymer, and initiator of complex

PATENT-ASSIGNEE: SHOWA DENKO KK[SHOW], TOPPAN PRINTING CO LTD[TOPP]

PRIORITY-DATA: 1995JP-0101482 (April 25, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 08297364 A	November 12, 1996	N/A	016	G03F 007/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP08297364A	N/A	1995JP-0101482	April 25, 1995

INT-CL (IPC): G03F 3/10; G03F 7/004; G03F 7/027; G03F 7/029; G03F 7/20; G03F 7/34

ABSTRACTED-PUB-NO: JP08297364A

BASIC-ABSTRACT: A sheet comprises a photosensitive layer contg. colouring material, heat adhesive binder which comprises photopolymerising cpd. which has ethylene unsatd. gp. and organic polymer which has no photopolymerisation, photopolymerisation initiator of formula (I) which comprises complex with near i.r. beam absorbing cationic dye and borate anion and storing stabiliser which comprises bisimidazole cpd. of formula (II) or hindered amine cpd. mounted on a support. In (I) D⁺ = cationic dye which has photo absorbance in a near i.r. beam area; R3-4 = residual gp. of aliphatic cyclic, (un)satd. heterocyclic, (substd.) alkyl, (substd.) aryl, (substd.) aralkyl, (substd.) allyl, (substd.) aralkyl, (substd.) alkenyl, (substd.) alkynyl and (substd.) silyl, but residual gp(s). of R2-4 is 1-8C alkyl gp.. In L1-L3 = (substd.) aryl gp..

USE - The sheet used for forming a colour image.

ADVANTAGE - An image is formed on an image receiver by transferring by heat pressure and also long shelf life can be kept under high temp. and high humidity. The simplified proof of high resolution and high quality can be provided easily.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:

IMAGE FORMING SHEET COLOUR IMAGE FORMATION SIMPLIFY PROOF COMPRISE PHOTSENSITISER LAYER CONTAIN COLOUR MATERIAL HEAT ADHESIVE BIND PHOTOPOLYMERISE COMPOUND ORGANIC POLYMER INITIATE COMPLEX

DERWENT-CLASS: A89 E24 G06 P84

CPI-CODES: A08-C01; A08-D01; A11-C02B; A12-L02C; A12-W07F; E05-C; E07-D05; E07-D09B;
E07-D13B; E25; G05-C; G06-A04; G06-C11; G06-F03B; G06-F03D;

CHEMICAL-CODES:

Chemical Indexing M4 *01*

Fragmentation Code

C216 D013 D014 D016 D019 D022 D029 D320 D399 D601
D602 D621 D622 E160 E199 E600 E699 E810 E899 G010
G019 G036 G100 G111 G112 G113 G552 G562 H103 H141
H181 H201 H581 H582 H602 H608 H641 H642 H661 H7
H720 H721 H724 H725 J011 J012 J271 J272 K0 L7
L721 L730 M1 M113 M119 M121 M123 M126 M129 M133
M134 M139 M143 M210 M211 M212 M240 M272 M273 M280
M281 M282 M283 M312 M313 M315 M321 M322 M323 M332
M342 M343 M344 M349 M381 M383 M391 M392 M412 M512
M520 M530 M531 M532 M533 M540 M541 M650 M782 M903
M904 Q121 Q132 Q140 Q344 Q345 R043 W003 W030 W323
W335

Ring Index

02709 02933

Markush Compounds

199704-C4101-M

Chemical Indexing M3 *02*

Fragmentation Code

B405 B414 B505 B514 B605 B614 B720 B744 B809 B831
B834 F010 F019 F020 F021 F029 G001 G002 G010 G011
G012 G013 G019 G020 G021 G022 G029 G030 G039 G040
G050 G100 G111 G112 G113 G221 G299 G553 G563 H713
H716 H721 H722 H723 H731 M121 M122 M123 M124 M125
M126 M129 M144 M210 M211 M212 M213 M214 M215 M216
M220 M221 M222 M223 M224 M225 M226 M231 M232 M233
M250 M280 M281 M282 M283 M311 M312 M313 M314 M315
M316 M320 M321 M322 M323 M331 M332 M333 M340 M342
M351 M361 M391 M392 M393 M411 M510 M520 M521 M522
M523 M530 M531 M532 M533 M540 M541 M542 M543 M620
M630 M782 M903 M904 Q121 Q132 Q140 Q345 R043

Markush Compounds

199704-C4101-M

Chemical Indexing M4 *03*

Fragmentation Code

C106 G010 G013 G019 G100 H1 H103 H142 H143 H7
H721 K0 L7 L730 M1 M121 M129 M132 M135 M139
M150 M210 M211 M212 M273 M283 M315 M321 M332 M344
M414 M510 M520 M533 M540 M650 M782 M903 M904 Q121
Q132 Q140 Q344 Q345 R043 W003 W030 W323 W335

Markush Compounds

199704-C4102-M

Chemical Indexing M3 *04*

Fragmentation Code

B405 B414 B505 B514 B605 B614 B720 B744 B809 B831
B834 F010 F019 F020 F021 F029 G001 G002 G010 G011
G012 G013 G019 G020 G021 G022 G029 G030 G039 G040
G050 G100 G111 G112 G113 G221 G299 G553 G563 H713
H716 H721 H722 H723 H731 M121 M122 M123 M124 M125
M126 M129 M144 M210 M211 M212 M213 M214 M215 M216
M220 M221 M222 M223 M224 M225 M226 M231 M232 M233
M250 M280 M281 M282 M283 M311 M312 M313 M314 M315
M316 M320 M321 M322 M323 M331 M332 M333 M340 M342
M351 M361 M391 M392 M393 M411 M510 M520 M521 M522

M523 M530 M531 M532 M533 M540 M541 M542 M543 M620
M630 M782 M903 M904 Q121 Q132 Q140 Q345 R043
Markush Compounds
199704-C4102-M

Chemical Indexing M3 *05*

Fragmentation Code

F011 F012 F014 F015 F017 F019 F521 F599 G001 G002
G010 G011 G012 G013 G019 G020 G021 G022 G029 G040
G100 G111 G112 G113 G221 G299 H1 H121 H2 H201
H541 H542 H543 H601 H602 H608 H609 H641 H642 H643
M1 M113 M115 M119 M210 M211 M272 M280 M281 M282
M283 M320 M413 M510 M522 M533 M540 M782 M903 M904
Q130 Q140 Q345 Q620 R043

Markush Compounds

199704-C4103-M

Chemical Indexing M3 *06*

Fragmentation Code

F011 F012 F014 F016 F017 F019 F433 F499 F580 F599
G017 G100 H100 H102 H103 H123 H181 H182 H183 H201
H202 H203 H401 H441 J012 J222 L910 L922 L999 M126
M129 M143 M149 M210 M211 M214 M220 M222 M223 M231
M233 M240 M273 M281 M282 M283 M312 M313 M315 M321
M322 M331 M332 M342 M343 M372 M382 M383 M391 M392
M393 M413 M510 M522 M523 M530 M531 M540 M782 M903
M904 Q130 Q140 Q345 Q620 R043

Ring Index

00212

Markush Compounds

199704-C4104-M

Chemical Indexing M3 *07*

Fragmentation Code

F011 F012 F014 F016 F017 F019 F433 F499 H1 H181
H182 H183 H2 H201 H202 H203 H4 H401 H421 H8
J0 J012 J014 J2 J221 J272 J273 M210 M211 M240
M272 M281 M283 M312 M322 M323 M332 M342 M382 M383
M391 M392 M413 M510 M521 M522 M530 M540 M782 M903
M904 Q130 Q140 Q345 Q620 R043

Markush Compounds

199704-C4105-M

Chemical Indexing M3 *08*

Fragmentation Code

B515 B701 B712 B720 B741 B815 B831 F011 F012 F013
F014 F015 F016 F580 G017 G018 G019 G100 H102 H121
H213 H4 H401 H402 H403 H404 H441 H442 H443 H444
H582 H592 H598 H599 H8 J011 J012 J014 J271 J272
J273 J371 J372 J523 L910 L999 M121 M123 M129 M132
M139 M143 M150 M210 M211 M212 M214 M220 M222 M225
M231 M233 M240 M271 M272 M281 M282 M283 M311 M312
M315 M320 M321 M322 M323 M332 M334 M342 M344 M351
M372 M373 M383 M391 M392 M393 M411 M413 M414 M510
M520 M521 M531 M532 M533 M540 M630 M782 M903 M904
Q130 Q140 Q345 Q620 Q624 R043

Ring Index

00212

Markush Compounds

199704-C4110-M

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; D01 ; P0000 ; L9999 L2391 ; L9999 L2073 ; M9999 M2073
Polymer Index [1.2]
018 ; ND01 ; Q9999 Q8822 Q8775 ; Q9999 Q8708 Q8606 ; K9698 K9676
; B9999 B4988*R B4977 B4740 ; K9836 K9790 ; N9999 N7147 N7034 N7023
; N9999 N7090 N7034 N7023 ; B9999 B5447 B5414 B5403 B5276 ; K9574
K9483
Polymer Index [1.3]
018 ; D12 D10 D51*R ; A999 A179 A157 ; A999 A771
Polymer Index [1.4]
018 ; D01 D11 D10 D18*R D27 D12 D52 D51 F86 B* 3A D22*R D53 D54
D55 D61*R ; A999 A771 ; A999 A179 A157
Polymer Index [1.5]
018 ; D01 D23 D22 D75 D45 D18*R N* 5A ; A999 A486*R
Polymer Index [2.1]
018 ; P0884 P1978 P0839 H0293 F41 D01 D11 D10 D19 D18 D31 D50 D63
D90 E21 E00
Polymer Index [2.2]
018 ; N9999 N7147 N7034 N7023 ; Q9999 Q7114*R ; N9999 N7192 N7023
; Q9999 Q7818*R ; ND01 ; K9416 ; K9574 K9483 ; K9698 K9676 ; Q9999
Q8708 Q8606 ; Q9999 Q8822 Q8775
Polymer Index [3.1]
018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ;
H0000 ; S9999 S1285*R ; P1150 ; P1161
Polymer Index [3.2]
018 ; ND01 ; K9574 K9483 ; K9698 K9676 ; K9416 ; N9999 N7192 N7023
; Q9999 Q7818*R ; Q9999 Q8708 Q8606 ; Q9999 Q8822 Q8775

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-012549

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Main Menu	Search Form	Result Set	Show S Numbers	Edit S Numbers		
First Hit		Previous Document		Next Document		
Full	Title	Citation	Review	Classification	Date	Reference
Help				Logout		